

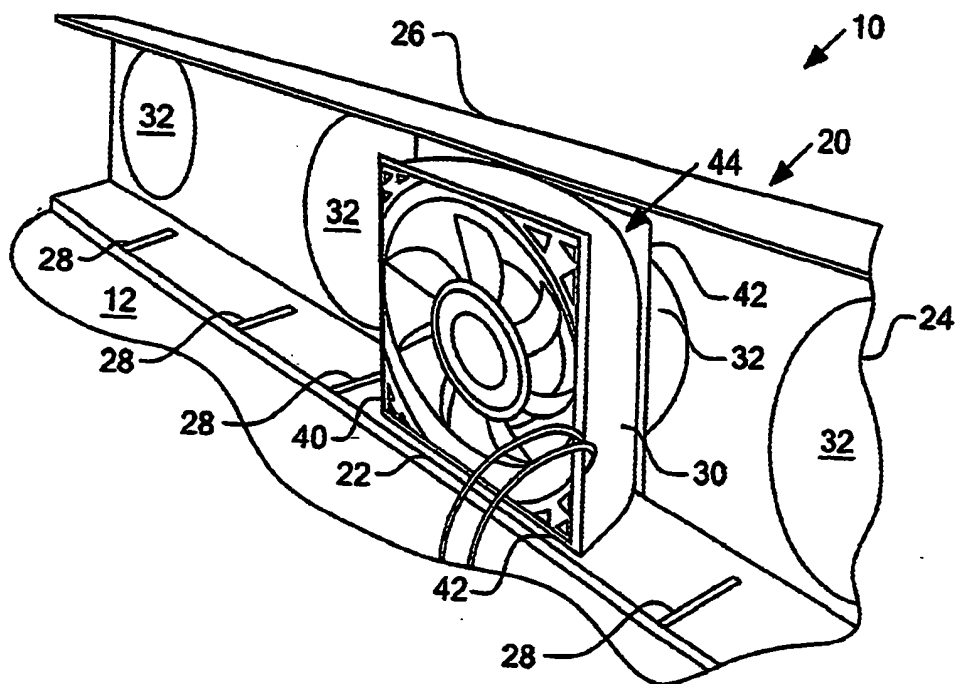
UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,845,009 B1  
APPLICATION NO. : 10/676840  
DATED : January 18, 2005  
INVENTOR(S) : William H. Whitted

Page 1 of 7

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page, replace the figure with the following figure:



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Page 2 of 7

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On drawing sheet 1, replace FIG. 2 with the following FIG. 2:

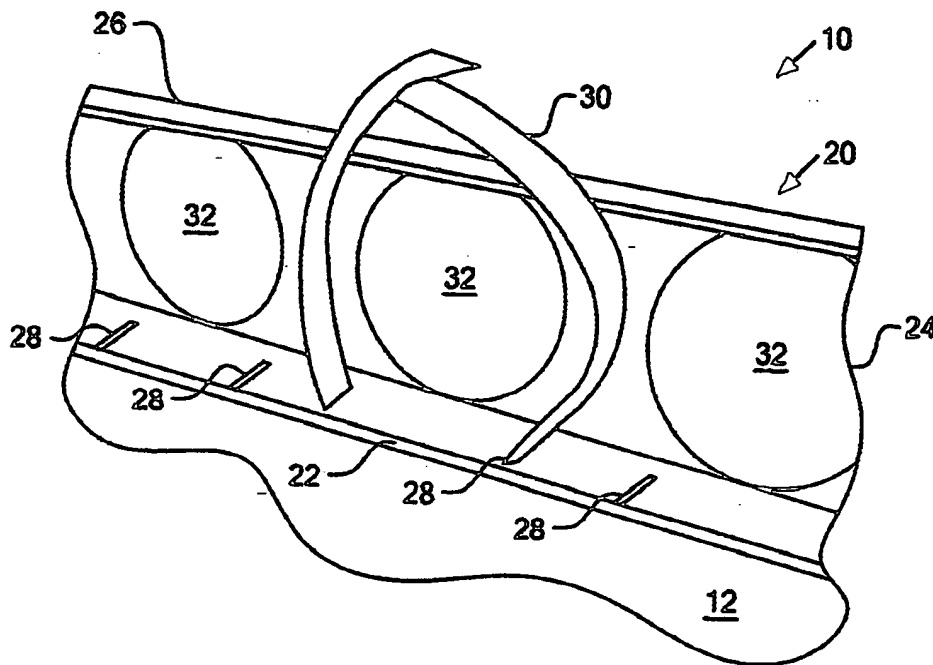


FIG. 2

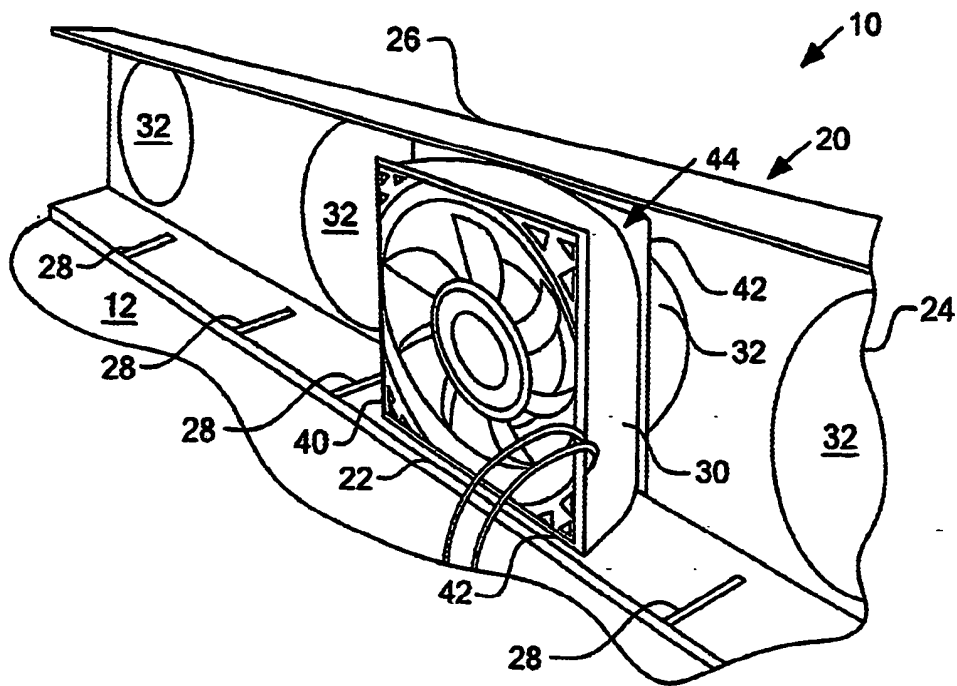
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Page 3 of 7

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On drawing sheet 2, replace FIG. 3 with the following FIG. 3:



**FIG. 3**

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Page 4 of 7

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On drawing sheet 2, replace FIG. 4 with the following FIG. 4:

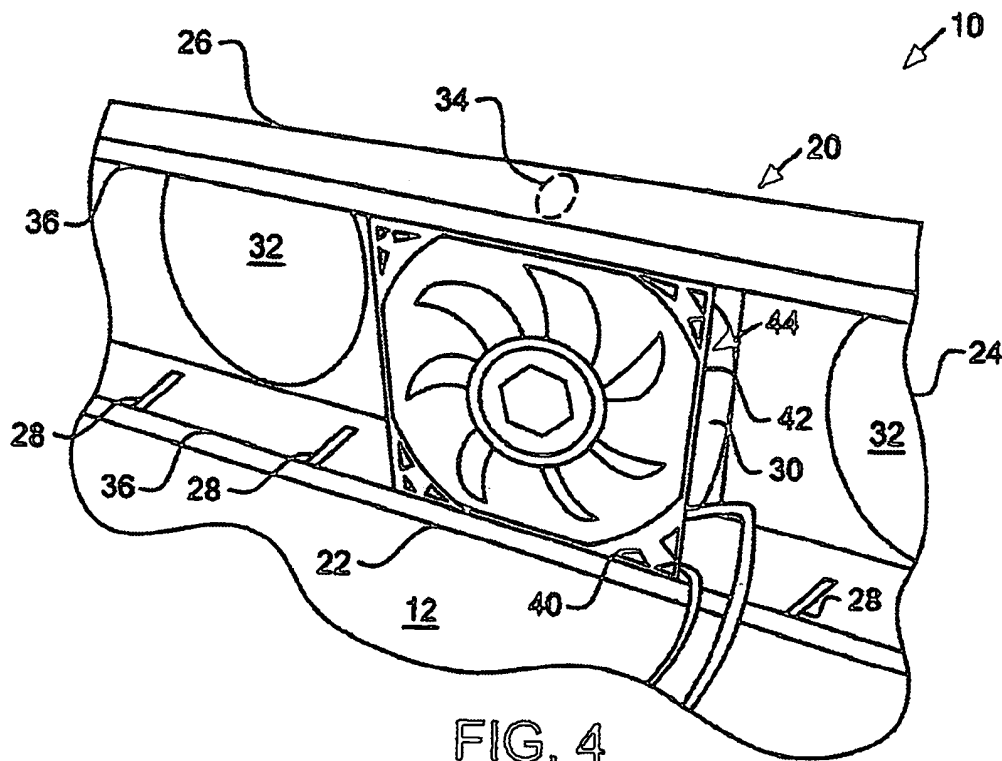


FIG. 4

Signed and Sealed this

Seventh Day of November, 2006

JON W. DUDAS  
Director of the United States Patent and Trademark Office



US006845009B1

(12) **United States Patent**  
**Whitted**

(10) Patent No.: **US 6,845,009 B1**  
(45) Date of Patent: **Jan. 18, 2005**

(54) **COOLING BAFFLE AND FAN MOUNT APPARATUS**

(75) Inventor: **William H. Whitted, Palo Alto, CA (US)**

(73) Assignee: **Google Inc., Mountain View, CA (US)**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/676,840**

(22) Filed: **Sep. 30, 2003**

(51) Int. Cl.<sup>7</sup> ..... **H05K 7/20**

(52) U.S. Cl. .... **361/695; 361/690; 361/719; 174/16.1; 454/184**

(58) Field of Search ..... **361/683-688, 361/690, 694, 695, 715-721; 174/16.1, 16.3; 165/80.2, 80.3; 454/184**

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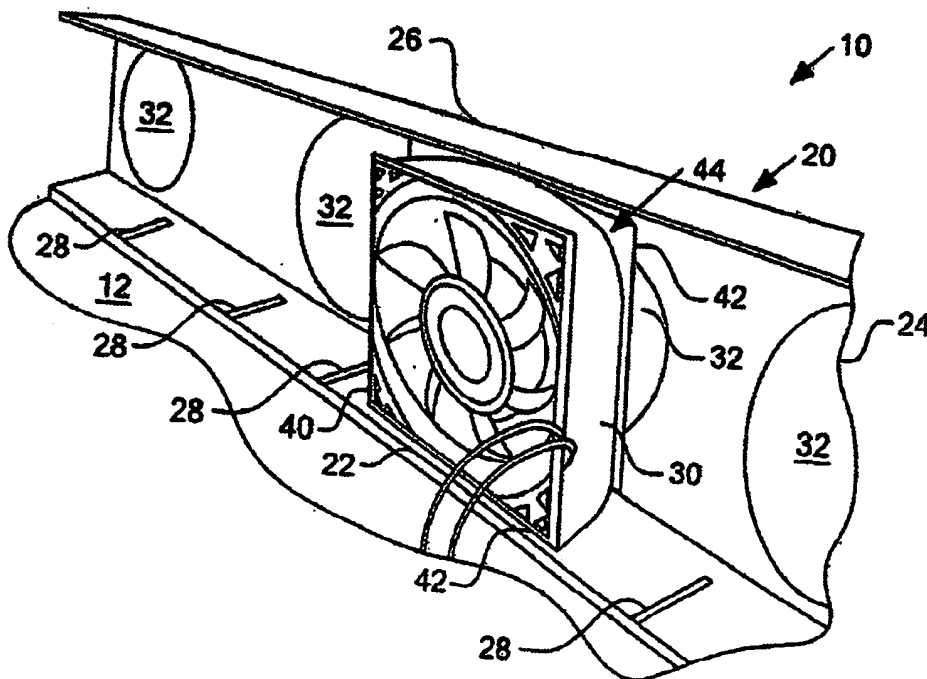
*Primary Examiner*—Boris Chervinsky

(74) *Attorney, Agent, or Firm*—Jung-hua Kuo

(57) **ABSTRACT**

A cooling baffle and fan mount apparatus suitable for rack mount computing systems is disclosed. The apparatus generally includes an upper and lower bracket configured to receive fans therebetween, the lower bracket defining mounting openings to cooperate with base openings defined in an electronics components base, and a baffle portion extending between the upper and lower brackets and defining fan openings to cooperate with the fans for airflow to pass through the baffle portion via the openings. The mounting openings may be configured for a flexible securing material, e.g., a hook and loop material, to extend there-through from the base openings. A hook and loop tab may be secured to an underside of the upper bracket to cooperate with the hook and loop material to further secure the baffle. Each fan may provide a recessed region between two plates to receive the hook and loop material and to allow the hook and loop material to be wrapped around the fan and secured to itself.

20 Claims, 2 Drawing Sheets



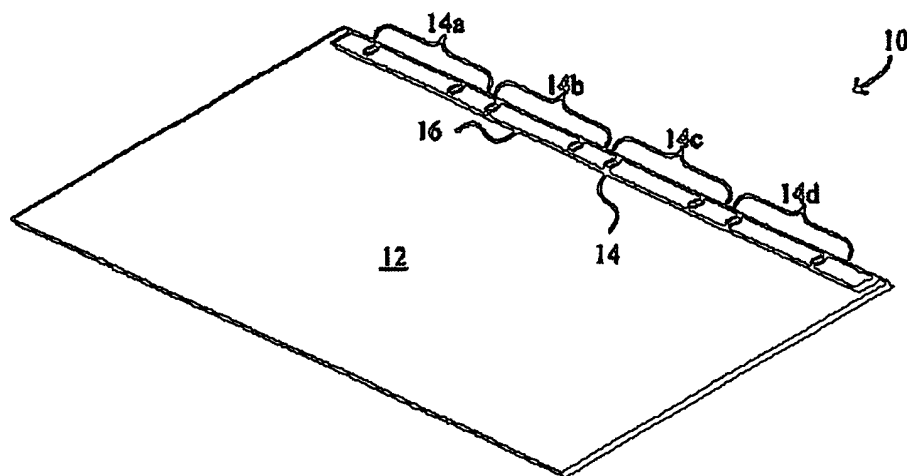


FIG. 1

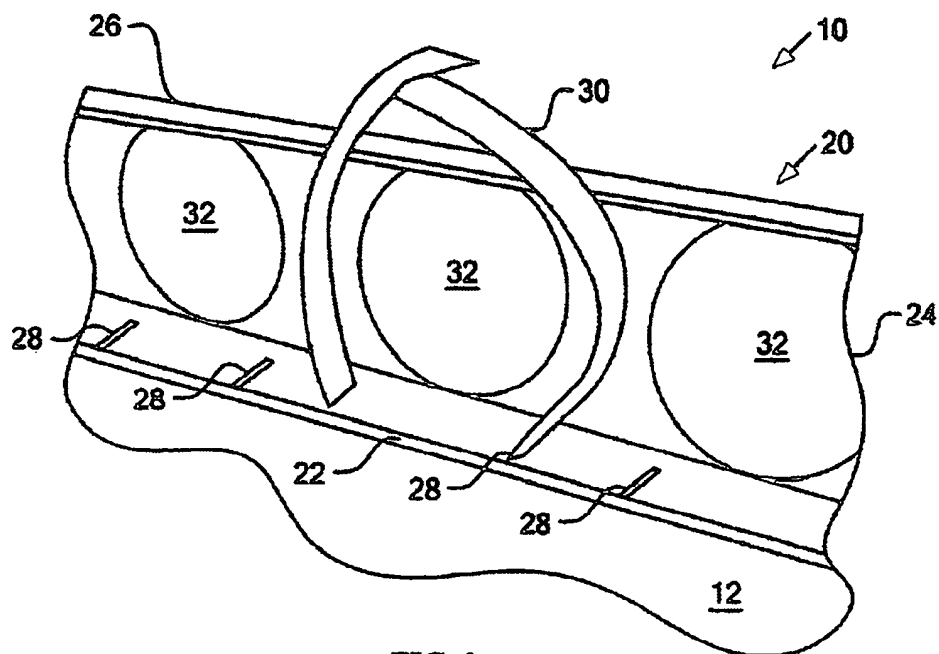


FIG. 2

